

Form PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

078883/0120

SERIAL NO.

09/533,798 5K

## INFORMATION DISCLOSURE CITATION

MAY 13 2004

(Use several sheets if necessary)

APPLICANT

Miles William CARROLL et al.

FILING DATE

3/24/2000

GROUP ART UNIT

1644 2643

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| EXAMINER<br>INITIAL | REF | DOCUMENT<br>NUMBER | DATE  | NAME            | CLASS | SUB-<br>CLASS | FILING DATE<br>IF<br>APPROPRIATE |
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|  |     |                    |       |         |       |               | YES         | NO |
|  | A2  | 99/15684           | 04/99 | WIPO    |       |               |             |    |
|  | A3  | 99/15689           | 04/99 | WIPO    |       |               |             |    |
|  | A4  | 89/07947           | 09/89 | WIPO    |       |               |             |    |
|  | A5  | 92/03568           | 03/92 | WIPO    |       |               |             |    |

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|  |     |   |                               | APPLICANT<br>Miles William CARROLL et al. |                             |
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Sheet 4 of 6

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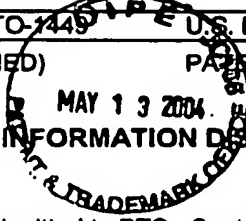
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|   |     |  |          | FILING DATE<br>March 24, 2000                           |       | GROUP ART UNIT<br>1643   |                                  |
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| <b>U.S. PATENT DOCUMENTS</b>  |     |  |          |   |       |                          |                                  |
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|   | A1  | EP-A-0198328   | 04/02/86 | Europe  |       |                          |                                  |
|   | A2  | EP A 0110285   | 11/20/83 | Europe  |       |                          |                                  |
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|   |   |    |   | Application Number       | 10/774,176           |
|   |   |    |   | Filing Date              | February 6, 2004     |
|   |   |    |   | First Named Inventor     | Carroll, Miles W.    |
|   |   |    |   | Art Unit                 | 1644                 |
|   |   |    |   | Examiner Name            | Marianne NMN Dibrino |
| Sheet   | 1 | of | 1 | Attorney Docket Number   | 021911-000510US      |

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| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number<br>Number Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
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| Examiner Signature | /Marianne Dibrino/ | Date Considered | 04/30/2007 |
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|   |   | Application Number       | 10/774,176           |                        |                 |
|   |   | Filing Date              | February 6, 2004     |                        |                 |
|   |   | First Named Inventor     | Carroll, Miles W.    |                        |                 |
|   |   | Art Unit                 | 1644                 |                        |                 |
|   |   | Examiner Name            | Marianne NMN Dibrino |                        |                 |
| Sheet   | 1 | of                       | 3                    | Attorney Docket Number | 021911-000510US |

| U.S. PATENT DOCUMENTS |                       |  |                                |  |   |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                       | Number Kind Code <sup>2</sup> (if known) |                                |  |   |
| /MD/                  | AA                    | US-4,558,035                             | 12/10/1985                     | Johnson  |   |
|                       | AB                    | <del>US-6,000,000</del>                  | <del>02/00/1990</del>          | <del>Stem, et al</del>                             |   |
|                       | AC                    | US-                                      |                                |  |   |
|                       | AD                    | US-                                      |                                |  |   |
|                       | AE                    | US-                                      |                                |  |   |
|                       | AF                    | US-                                      |                                |  |   |
|                       | AG                    | US-                                      |                                |  |   |
|                       | AH                    | US-                                      |                                |  |   |
|                       | AI                    | US-                                      |                                |  |   |
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|                       | AK                    | US-                                      |                                |  |   |
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|                       | AM                    | US-                                      |                                |  |   |

| FOREIGN PATENT DOCUMENTS |                       |                           |                     |                                   |                                |  |   |                          |
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| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   |                     |                                   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup>           |
|                          |                       | Country Code <sup>3</sup> | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |                                |  |   |                          |
|                          | AN                    |                           |                     |                                   |                                |  |   | <input type="checkbox"/> |
|                          | AO                    |                           |                     |                                   |                                |  |   | <input type="checkbox"/> |
|                          | AP                    |                           |                     |                                   |                                |  |   | <input type="checkbox"/> |
|                          | AQ                    |                           |                     |                                   |                                |  |   | <input type="checkbox"/> |
|                          | AR                    |                           |                     |                                   |                                |  |   | <input type="checkbox"/> |

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|  |   |    |   | Art Unit                 | 1644                 |
|  |   |    |   | Examiner Name            | Marianne NMN Dibrino |
| Sheet  | 2 | of | 3 | Attorney Docket Number   | 021911-000510US      |

| NON PATENT LITERATURE DOCUMENTS |                       |  |                          |  |
|---------------------------------|-----------------------|--|--------------------------|--|
| Examiner Initials *             | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  | T <sup>2</sup>           |  |
| /MD/                            | AS                    | COULIE P. "Human Tumor Antigens Recognized by Cytolytic T Lymphocytes", Chapter 5, pages 95-125, <i>Tumor Immunology</i> , Eds. Dagleish & Browning, Cambridge University Press 1996   | <input type="checkbox"/> |  |
|                                 | AT                    | ROSENKRANTZ, K., et al. "Generation and regulation of aut cytotoxicity in mixed lymphocyte cultures: Evidence for active suppression of aut cytotoxic cells", <i>PNAS</i> (1985) 82:4508-4512  | <input type="checkbox"/> |  |
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|                                 | AV                    | MANSON, L, et al. "Short Analytical Review - Anti-tumor Immune Responses of the Tumor Bearing Host: The Case for Antibody-Mediated Immunologic Enhancement", <i>Clinical Immunology &amp; Immunopathology</i> (1994) 72(1):1-8   | <input type="checkbox"/> |  |
|                                 | AW                    | GANSS, R., et al. "Tumor Microenvironment Can Restrict the Effectiveness of Activated Antitumor Lymphocytes", <i>Cancer Research</i> (1998) 58:4673-4681   | <input type="checkbox"/> |  |
|                                 | AX                    | BERD, D. "Cancer Vaccines: Reborn or Just Recycled?", <i>Seminars in Oncology</i> (1998) 25(6):605-610   | <input type="checkbox"/> |  |
|                                 | AY                    | HERSEY, P., et al. "Impediments to Successful Immunotherapy", <i>Pharmacol. Ther.</i> (1999) 81(2):111-119.  | <input type="checkbox"/> |  |
|                                 | AZ                    | TAKAHASHI, K., et al. "Escape Mechanisms of Melanoma From Immune System By Soluble Melanoma Antigen", <i>The Journal of Immunology</i> (1988) 140(9):3244-3248   | <input type="checkbox"/> |  |
|                                 | BA                    | JANEWAY & TRAVERS, <i>Immunobiology: The Immune System in Health and Disease</i> , Third edition, Current Biology Ltd./Garland Publishing Inc. (1997), P. 12:2   | <input type="checkbox"/> |  |
|                                 | BB                    | AMATO, R., et al. "Phase II Trial to Assess the Activity of MVA 5T4 (Trovax®) alone versus MVA 5T4 plus Granulocyte Macrophage Colony-Stimulating Factor (GM-CSF) in Patients (pts) with Progressive Hormone Refractory Prostate Cancer (HRPC), Abstract, 18th EORTC-NCI-AACR Symposium on "Molecular Targets and Cancer Therapeutics", 7-10 November 2006, Prague, Czech Republic | <input type="checkbox"/> |  |
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| Sheet  | 3 | of | 3 | Attorney Docket Number   | 021911-000510US      |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                          |  |
|---------------------------------|-----------------------|---|--------------------------|--|
| Examiner Initials *             | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup>           |  |
| /MD/                            | BD                    | SYKULEV, Y., et al. "Evidence that a Single Peptide-MHC Complex on a Target Cell Can Elicit a Cytolytic T Cell Response", <i>Immunity</i> (1996) 4:565-571  | <input type="checkbox"/> |  |
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|                                 | BF                    | JOHNSON, P.M., et al. "Human Trophoblast-Specific Surface Antigens Identified Using Monoclonal Antibodies", <i>American Journal of Reproductive Immunology</i> (1981) 1:246-264   | <input type="checkbox"/> |  |
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| /MD/                            | BJ                    | ANDERSON, Deborah J., et al. "Monoclonal antibodies to human trophoblast and sperm antigens: Report of two WHO sponsored workshops, June 30, 1986 - Toronto, Canada <i>J. Repro. Immun.</i> (1987) 10:231-257   | <input type="checkbox"/> |  |
| /MD/                            | BK                    | CHO, S.-W., et al. "Characterization of three monoclonal antibodies to membrane co-factor protein (MCP) of the complement system and quantification of MCP by radioassay", <i>Clin. Exp. Immunol.</i> (1991) 83:257-261   | <input type="checkbox"/> |  |
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|                                 | BM                    |   | <input type="checkbox"/> |  |

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